

**To:** Vyas, Himanshu[vyas.himanshu@epa.gov]; Campbell, Dave[campbell.dave@epa.gov];  
Maldonado, Zelma[Maldonado.Zelma@epa.gov]  
**From:** Hosford, Chip  
**Sent:** Tue 8/30/2016 7:22:28 PM  
**Subject:** FW: MarkWest - 2015 PADEP Emissions Spreadsheet  
2015 Midstream Air Emissions Spreadsheet Guide.pdf  
MarkWest 2015 Midstream Pigging Spreadsheet.xlsx

Attached is the guidance PADEP sent out to midstream companies to calculate emissions.

Bowen (Chip) Hosford

Office of Enforcement and Compliance Assurance

Air Protection Division

Region III

U.S. EPA

Mail Code 3AP20

1650 Arch Street

Philadelphia, PA 19103

215-814-3158

**From:** Williams, Christopher  
**Sent:** Wednesday, August 24, 2016 2:05 PM  
**To:** Snyder, Doug <Snyder.Doug@epa.gov>; Hosford, Chip <hosford.chip@epa.gov>;  
Vazquez, Natalia <Vazquez.Natalia@epa.gov>  
**Cc:** Mroczek, Cara (ENRD) <Cara.Mroczek@usdoj.gov>; Caballero, Kathryn  
<Caballero.Kathryn@epa.gov>  
**Subject:** FW: MarkWest - 2015 PADEP Emissions Spreadsheet

FYI... regarding the volume calculation at Drugmand.

Chris

Christopher Williams, P.E.

Air Enforcement Division

U.S. EPA Headquarters, Rm 1142C

William Jefferson Clinton Building-South

1200 Pennsylvania Avenue, N.W.

Mail Code: 2242A

Washington, D.C. 20460

[williams.christopher@epa.gov](mailto:williams.christopher@epa.gov)

Tel: 202.564.7889

**From:** Andrew C. Sifton [<mailto:ASifton@bdlaw.com>]

**Sent:** Wednesday, August 24, 2016 12:55 PM

**To:** Mroczek, Cara (ENRD) <[Cara.Mroczek@usdoj.gov](mailto:Cara.Mroczek@usdoj.gov)>

**Cc:** Caballero, Kathryn <[Caballero.Kathryn@epa.gov](mailto:Caballero.Kathryn@epa.gov)>; Williams, Christopher <[Williams.Christopher@epa.gov](mailto:Williams.Christopher@epa.gov)>; Don J. Patterson <[DPatterson@bdlaw.com](mailto:DPatterson@bdlaw.com)>; Savage, Justin A. <[justin.savage@hoganlovells.com](mailto:justin.savage@hoganlovells.com)>; Christopher Rimkus <[CRimkus@markwest.com](mailto:CRimkus@markwest.com)>

**Subject:** MarkWest - 2015 PADEP Emissions Spreadsheet

**For Settlement Purposes Only**

Cara,

Please find attached to this e-mail two documents: (1) MarkWest's 2015 pigging operations emissions spreadsheet submitted to PADEP, and (2) PADEP's January 29, 2016 guidance for submitting emissions reports for emissions from midstream natural gas compressor stations.

A review of the "Calculations" tab in MarkWest's spreadsheet shows that the company reported a barrel volume of 79.00 ACF for the HP receiver at Drugmand. As requested by PADEP, MarkWest submitted this spreadsheet to the state in March 2016 (and assume PADEP shared the same with USEPA as part of the matter you are jointly pursuing). You should note that page 4 of PADEP's guidance also shows that the 2015 emissions inventory year represented the first time that PADEP required MarkWest and other midstream operators to submit emissions data for pigging operations.

Please let me know if you have any questions concerning this submittal.

Regards,

Drew

**Andrew C. Silton**

*Associate*

**BEVERIDGE  
& DIAMOND<sup>PC</sup>**  **BEVERIDGE & DIAMOND, P.C.**  
1350 I Street, NW, Suite 700, Washington, DC 20005  
T +1.202.789.6078 F +1.202.789.6190 [ASilton@bdlaw.com](mailto:ASilton@bdlaw.com)  
>[vCard](#) >[Bio](#) >[LinkedIn](#)

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